

Instructionally Related Activities Report Form

SPONSOR: Bryan Swig

PROGRAM/DEPARTMENT: Biology

ACTIVITY TITLE: Field Trip to Santa Rosa Island with Biology 433

DATE (S) OF ACTIVITY: April 1st-April 3rd

Please submit via email to the IRA Coordinator along with any supporting documentation at david.daniels@csuci.edu within 30 days after the activity. Thank you for your commitment to engaging our students!

A. ADDRESS THE FOLLOWING QUESTIONS:

- (1) PROVIDE A DESCRIPTION OF THE ACTIVITY;
 - (2) HOW DID THE ACTIVITY RELATE TO A COURSE(S) AND/OR LEARNING OBJECTIVES?
 - (3) WHAT DO YOU SEE AS THE STRENGTHS OF THE ACTIVITY?
 - (4) WHAT WOULD YOU SAY ARE/WERE THE ACTIVITY'S WEAKNESSES?
 - (5) HOW WOULD YOU IMPROVE THIS ACTIVITY FOR NEXT TIME?
 - (6) WHAT DID YOU LEARN FROM THE PROCESS?
 - (7) WHAT ARE STUDENT RESPONSES TO THE ACTIVITY? ATTACH STUDENT EVALUATIONS OR ASSESSMENTS (IN ACCORDANCE WITH FERPA RESTRICTIONS YOU MUST REMOVE ALL PERSONALLY IDENTIFIABLE STUDENT INFORMATION)
 - 8) GIVE A SUMMARY OF EXPENSES FOR THE ACTIVITY (DO NOT INCLUDE ACCOUNTING STRINGS)
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B. ATTENDEE LIST- SUPPORTING DOCUMENT:

In addition to the report form, *in a separate document*, attach to your email a list of attendees complete with each student major and grade level. This for IRA Committee reference only and will not be published on the IRA website. Include your name and the title of your IRA activity on the document.

C. IMAGES FROM ACTIVITY:

Please embed 3-5 images in this document (or attach in .JPEG format) that demonstrate student participation with captions/titles.

(1) PROVIDE A DESCRIPTION OF THE ACTIVITY

The purpose of the trip is to introduce students in Biol 433 (Ecology and the Environment) to the ecology of the Channel Islands. Students will participate in a weekend trip to Santa Rosa Island which is part of the Channel Islands National Park. While on the island students will participate in both guided hikes and, intertidal surveys.

(2) HOW DID THE ACTIVITY RELATE TO A COURSE(S) AND/OR LEARNING OBJECTIVES?

The Island field trip addressed several student-learning outcomes:

- (a) understand the history of the Channel Islands
- (b) familiarize students with endemic, native and exotic species
- (c) evaluate the methods currently being used to restore the island
- (d) quantify the effectiveness of the different management strategies adopted and consider their controversial nature.
- (e) observe and consider the distinct plant and animal communities and how they relate to island biogeography
- (f) appreciate the islands as a repository for the biodiversity of this region

The trip includes a crossing of the Santa Barbara Channel where marine fauna was identified. Once on the islands, experienced naturalists took the students on several guided hikes. They were introduced to the unique aspects of the ecology of the many plant communities, and identify the dominant, endemic, and indicator plant species to be found Santa Rosa.

Students gained perspective of the entire ecosystem, encompassing the flora and fauna of the island, the intertidal region and the marine systems of the surrounding channels. We spent time in this area discussing the organization and the interconnected nature of the entire system and the importance of the land – sea interface.

(3) WHAT DO YOU SEE AS THE STRENGTHS OF THE ACTIVITY?

There is no substitute for being immersed in the natural environment. The learning environment is unique. Students are able to connect the theory to on-the-ground evidence.

(4) WHAT WOULD YOU SAY ARE/WERE THE ACTIVITY'S WEAKNESSES?

We could have used more time on the island.



(5) HOW WOULD YOU IMPROVE THIS ACTIVITY FOR NEXT TIME?

Ideally I would like to expedite the travel to location on the island to extend the time students have sampling and collecting data.

(6) WHAT DID YOU LEARN FROM THE PROCESS?

It was my first time staying at the Research Station on Santa Rosa, so I now have a better idea of the facility, the time available for student activities and now know how much food to buy to feed 21 people.

(7) WHAT ARE STUDENT RESPONSES TO THE ACTIVITY? ATTACH STUDENT EVALUATIONS OR ASSESSMENTS (IN ACCORDANCE WITH FERPA RESTRICTIONS YOU MUST REMOVE ALL PERSONALLY IDENTIFIABLE STUDENT INFORMATION)

I really enjoyed the trip to Santa Rosa, I have never done anything like that before and it exposed me to how fun things like this can really be. I liked how a group of random college classmates could become friends in such a short period of time and that with some team effort and enthusiasm, little things like cooking dinner and cleaning can become enjoyable!

I'd definitely want to do something like this in the near future.

Sincerely,
Fernando

Good Evening Dr. Swig!

I thought this was an amazing trip that really maximized the time we had on the island without overworking us. Something I would love to see, time permitting, is where the waddles were being installed to give a tangible idea as to why we were making the waddles. However, with that being said, this trip was informative, fun, and a great learning experience of the intertidal zones. Thank you very much for making this happen and I would to see this happen every year for those taking your class!

Best,
Aryana

I thought the trip was great! I was pleasantly surprised by how nice the houses were that we stayed in. I think the three days was a good amount of time to be there. I wish we had a little more free time on the island, but then again it was nice being busy the whole time, so the days went by fast. Thanks for this opportunity again!

Thanks,
Kenzie

I thoroughly enjoyed the trip and connecting with everyone. It was really awesome to learn about what the research center is doing in restoring the island and the history behind it all. The tide pools were really awesome to work on and worth getting pummeled by waves for! Definitely a great experience all around! Thank you so much Dr. Swig!

Best,
Kim

Dr. Swig,

I attached a few of the photos I took over the weekend that were oriented around our data collection and work with the NOS, if you end up needing more pictures please let me know and I can send some of the others I took as well.

This trip to the Santa Rosa Island Research Station was amazing and completely unlike any other I had had before. The opportunity to go on the park with a class and be professor lead in research is rare as a student and to have such an amazing, hands on learning experience was one of a kind. This trip set itself apart from others that I had had through the school because of the learning experience provided. While most trips allowed for students to learn on their own in the field, there was generally a large amount of confusion that stemmed from a lack of professor guidance. Because our professor and student assistant both accompanied us on our hikes and were there while we collected our data, there was no room for confusion or lack of understanding. The opportunity to work in an intertidal zone almost completely untouched by human influence was a once in a lifetime experience and I am extremely grateful for the opportunity.

Sincerely,
Shelby



Dr. Swig,

The ecology field trip to Santa Rosa island was in fact one of the highlights i have had at CSUCI. At first i was a little skeptical but soon realized that it was an awesome opportunity. I learned a lot about the islands and got a good deal closer to my classmates. The hikes were amazing and the research fun. I am very thankful for the opportunity you have given my fellow classmates and I to visit the islands and perform hands-on research.

Jacob

Going to Santa Rosa Island was a great learning experience. The locations we went to for our data collection were great. It did not feel as if I was doing cumbersome work due to the relaxed environment provided by the beautiful scenery. I enjoyed working with my peers to make wattles. It felt good knowing that I was able to take part in a restoration project. Overall, I enjoyed all the activities that I participated in.

Best,
Daniel

(8) GIVE A SUMMARY OF EXPENSES FOR THE ACTIVITY.

Transport to Santa Rosa 21 x \$104	= \$2184.00
Food for 3 days for 22 people	= \$512.58
TOTAL	= \$2696.58

B. ATTENDEE LIST (PERSONALLY IDENTIFIABLE INFO REMOVED)

SPONSOR: Bryan Swig

PROGRAM/DEPARTMENT: Biology

ACTIVITY TITLE: Field Trip to Santa Rosa Island with Biology 433

Name	Major	Grade Level
Arechiga,Kristine Sarahi	Biology	Senior
Arriola,Miriam Sarai	Biology	Senior
Ayala,Daniel	Pre-Nursing	Senior
Bains,Alyssa Suraya	Biology	Junior
Castro Jr,Fernando Tamayo	Biology	Senior
Delzeit,Mackenzie Jean	Biology	Junior
Demirci, Brianna	Biology	Senior
Guerrero,Jose Luis	Biology	Senior
Lavoie,Kimberly Marie	Biology	Junior
Maldonado,Jessica Elizabeth	Biology	Junior
Mendoza,Adrian	Biology	Senior
Messerly I,Katie Rae	Biology	Senior
Mistry,Anandkumar J	Biology	Senior
Moore,Aryana Marie	ESRM, Environmental Sc	Senior
Nieves,Rocio	Biology	Senior
Palasik,Shelby Faye	ESRM, Resource Management	Junior
Singh,Ravneet	Biology	Senior
Sullivan Jr,Timothy Vincent	ESRM, Resource Management	Senior
Thompson,Tori Dawn	Biology	Senior
Wipf,Jacob Alexander	Biology	Senior



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C. PLEASE INCLUDE UP TO 6 IMAGES IN THIS DOCUMENT TO DEMONSTRATE STUDENT PARTICIPATION



Figure 1: Students preparing to sample the intertidal zone at Skunk point.



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Figure 2: Low tidal zone that was sampled at Skunk point.



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Figure 3: Hiking to Skunk point



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Figure 4: Learning about the cloud forest restoration project, preparing to make waddles fro that project.